

POWDER COATED GENERATOR FIELD COILS AND METHOD OF MANUFACTURE

ABSTRACT OF THE DISCLOSURE

A field coil for an electromagnetic rotor comprising multiple windings,
5 each substantially entirely coated with a powder resin having a dielectric
strength of at least in the range of 1000-1500 v/mil. A method of
manufacturing a field coil for an electromagnetic rotor includes the steps of a)
providing a field coil comprising multiple layers of copper bars; b) coating the
multiple layers of the field coil with a powder resin having a dielectric strength
10 of at least about 1000-1500 v/mil.; and c) curing the powder resin.

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